		Min. Thermal	Max. Standby Loss (2)
<u>ype</u>	<u>Size</u>	Efficiency (%)	(Btu/hr, unless otherwise noted)
lectric storage water heaters	All	N/A	0.30 + 27/Vm (%/hr)
Gas-fired storage water heaters	≤155,000 Btu/hr	80.0%	Q/800 + 110(Vr)^(1/2)
	>155,000 Btu/hr	80.0%	Q/800 + 110(Vr)^(1/2)
Dil-fired storage water heaters	≤155,000 Btu/hr	78.0%	Q/800 + 110(Vr)^(1/2)
	>155,000 Btu/hr	78.0%	$Q/800 + 110(Vr)^{(1/2)}$
as-fired instantaneous water heaters	≤10 gal	80.0%	N/A
and hot water supply boilers	>10 gal	80.0%	Q/800 + 110(Vr)^(1/2)
il-fired instantaneous water heaters	≤10 gal	80.0%	N/A
and hot water supply boilers	>10 gal	78.0%	Q/800 + 110(Vr)^(1/2)

Note(s): 1) Effective for products manufactured on or after October 29, 2003, except for hot water supply boilers with a capacity less than 10 gallons for which standards are effective for products manufactured on or after October 21, 2005. 2) Vm = measured storage volume in gallons. Vr = rated volume in gallons. Q = nameplate input rate in Btu/hr.

Source(S): Title 10, Code of Federal Regulations, Part 431 - Energy Efficiency Program for Certain Commercial and Industrial Equipment, Subpart G - Commercial Water Heaters, Hot Water Supply Boilers, and Unfired Hot Water Storage Tanks. January 1, 2010.